Web Plus

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Features Overview

- Web-based cancer data collection tool using the NAACCR data standards
- Secure transmission of data through Secure Sockets Layer (SSL) connection
- Currently supports
 - Abstract Entry: online abstracting tool for smaller facilities
 - File Upload: submit bundles of abstracts created by any abstracting tool
- Data validation using NPCR Edits

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Abstract Entry Over the Internet

- No local software to install
 - Runs in browser
- No local database to manage
 - Data is saved at the central registry
- Lookup assisted data entry
- Collaborative staging calculation is supported
- Display Types and Edit Sets for facilities are managed at the central registry by a Central Registry Administrator
 - Display Type: An ordered subset of the standard NAACCR and local data items that a central registry is interested in collecting
- Edit Set: A collection of Edits that you may want to run an abstract through in order to validate it

Abstract Entry (contd.)

- A Central Registry Administrator assigns Display Types and Edit Sets to users of facilities
 - Abstractor enters and edits abstracts using the Display Type and Edit Set assigned to her
- Abstracts run through Edits each time they are saved and edit results are immediately available

File Upload

- Facilities can submit bundles of abstracts in the NAACCR format
- Files run through Edits validation upon submission
 - Capability to run different Edit sets on files from different facilities
 - You can wait till the edit report comes up
 - Or close Web Plus and Web Plus will send you email when the report is ready
 - Report is not emailed; user has to log on to Web Plus to view the report
- Supports automated rule for file acceptance accept if less than n% of records have errors

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File Upload (contd.)

Option for offline, batch running of edits on large files and under heavy load conditions available Web Plus

Security

Web Plus - Security

- Security is provided by
 - the security features of the application and
 - by digital certificates, the network infrastructure and the operating environment.

Application Security

- Form-based authentication
 - Log in requires user id and password
- Role-based access to functions
 - Central Registry Administrator
 - Local Administrator
 - Facility Abstractor
 - Central Registry Abstractor
- User actions are logged and are available for audit
- Abstracts entered by a facility are not visible to other facilities

System Security

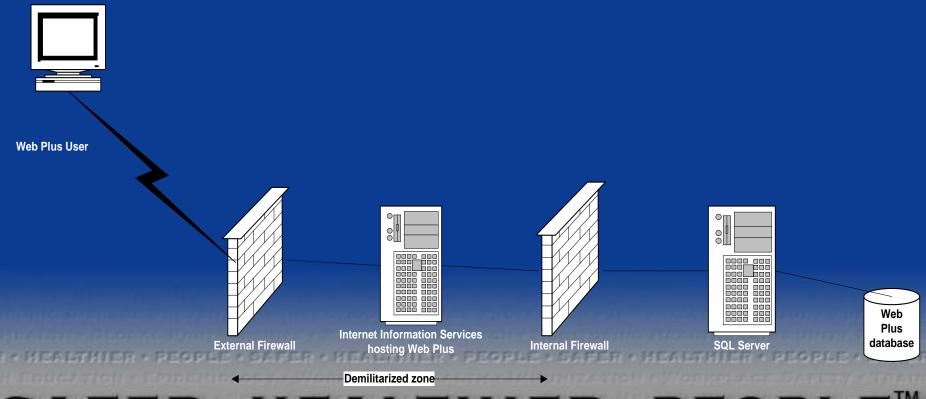
- System security should be implemented by the central registry following the guidelines provided in the security document
- System security includes
 - securing network infrastructure
 - configuring the web server for security
 - installing digital certificates on the web server and optionally on the clients for SSL encryption and server validation

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fault tolerance, backup plans, etc.

System Architecture

- Web Server is in the DMZ
- SQL Server in the internal trusted network



Future Plans

- Add follow back procedure
 - Preload death certificates
 - Preload pathology reports
 - Notify physicians with email
 - Physicians log in to Web Plus and complete the requests
 - Preliminary prototypes available for your comments at the booth
- Add HL7 reader to read lab reports and identify cancer cases

Demo Web Plus Site

- Visit
 http://broadband.ngcits.com/WebPlus/login.aspx
- Log in to the server using "demo" as both the user id and password
- Log in to Web Plus by selecting "St Simon Hospital" as facility, "John Doe" as user and "abstractor" as password.

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More Information

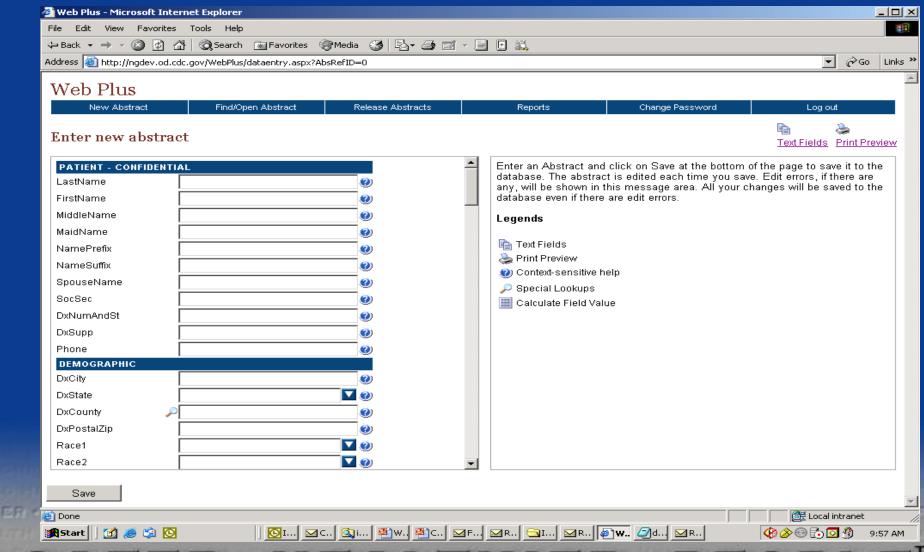
Visit http://www.cdc.gov/cancer/registryplus/

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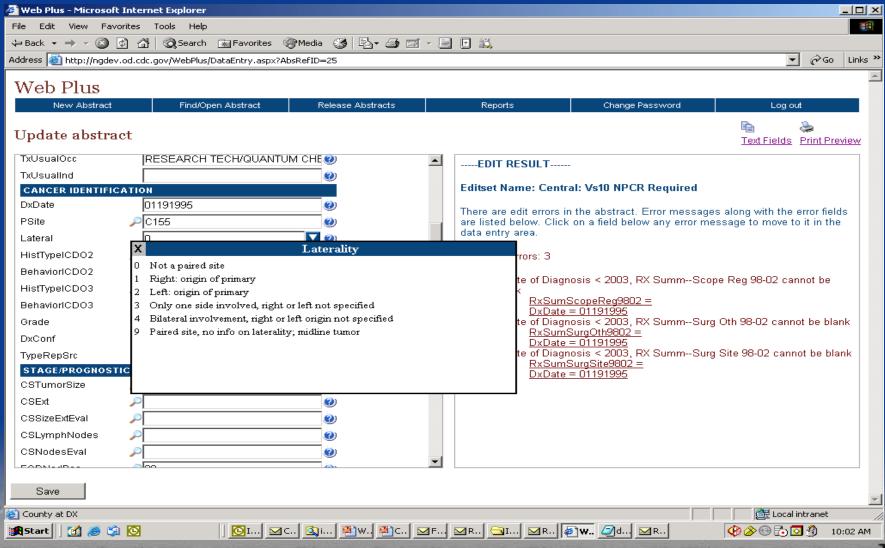
Web Plus

Abstract Entry Screens

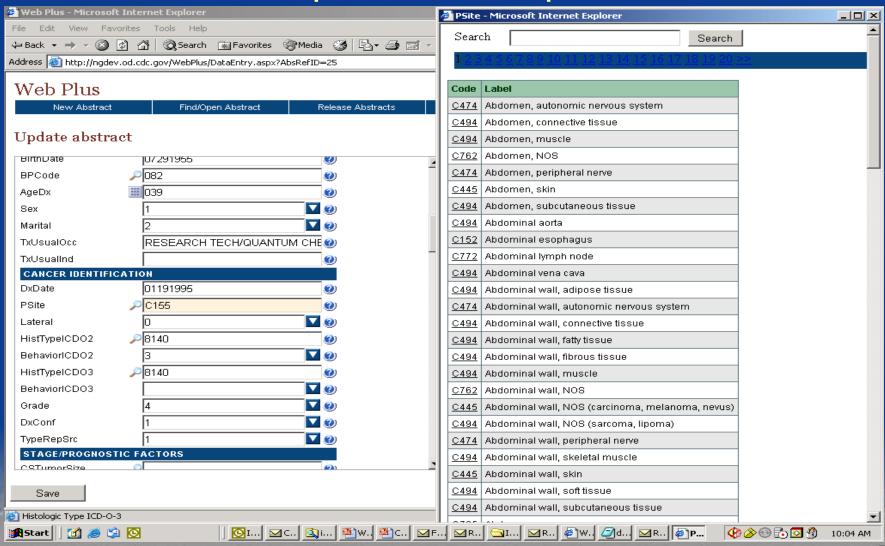
New Abstract



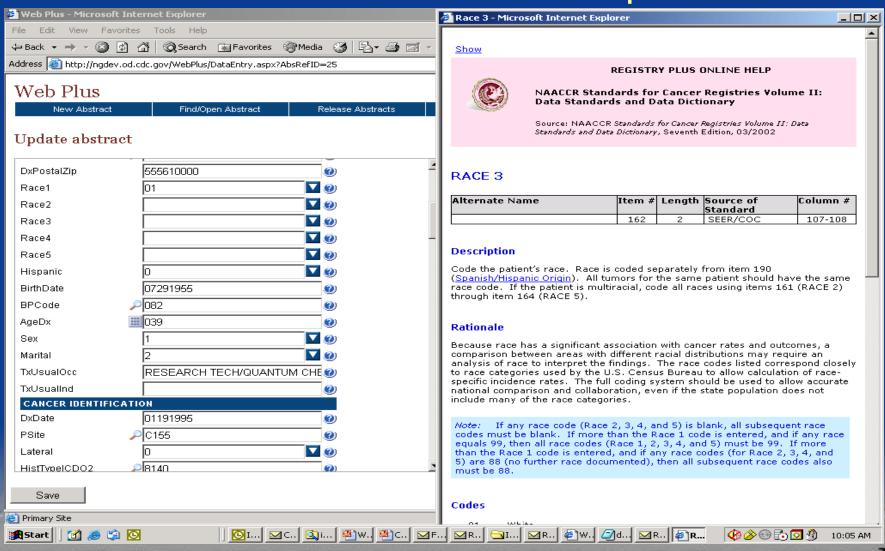
Abstract Entry Assisted By Lookups



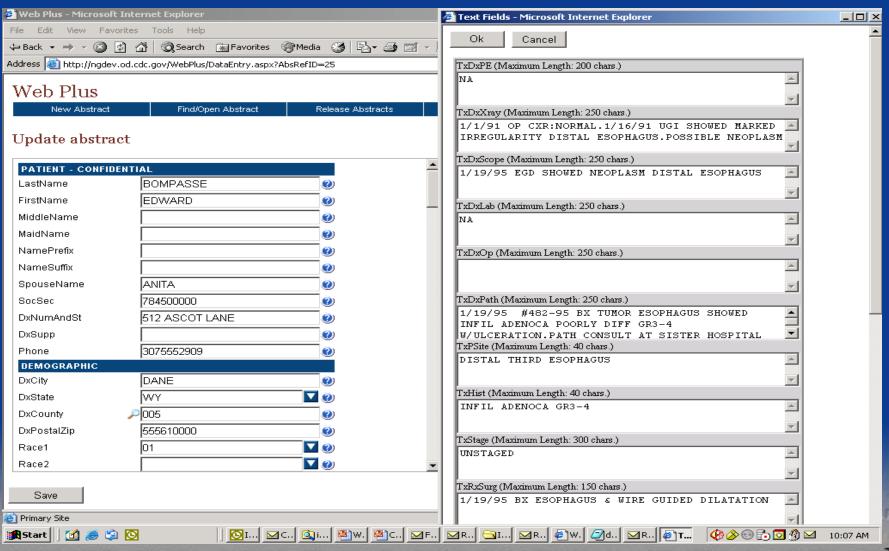
Special Lookups



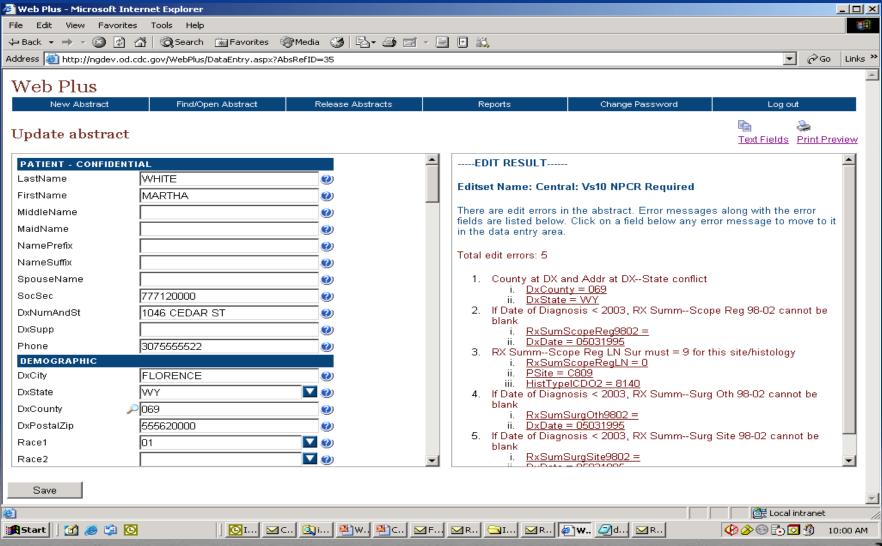
Context-sensitive Help



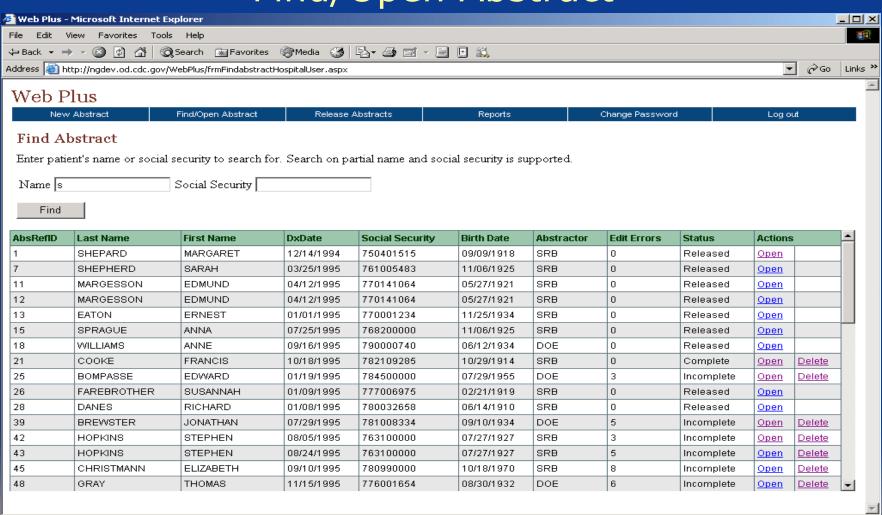
Text Fields

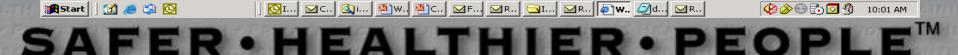


Abstract with Edit Errors



Find/Open Abstract





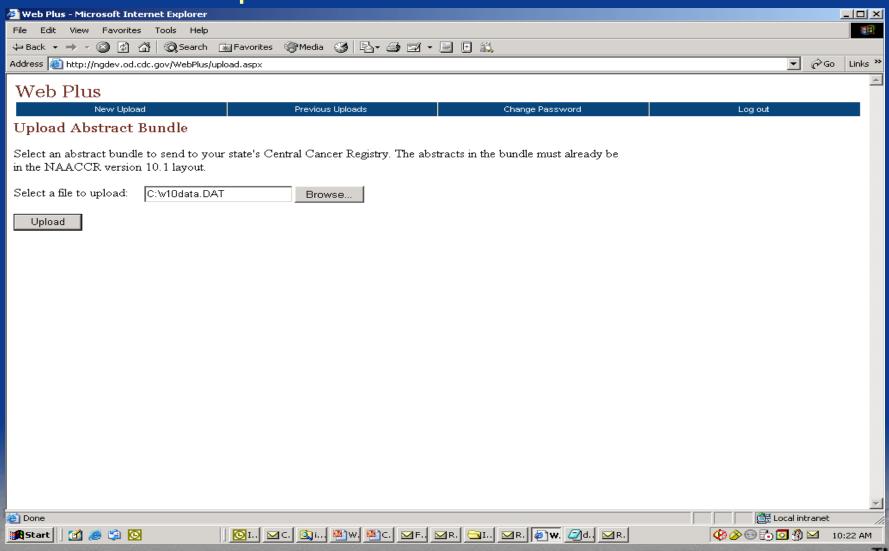
E Local intranet

Done

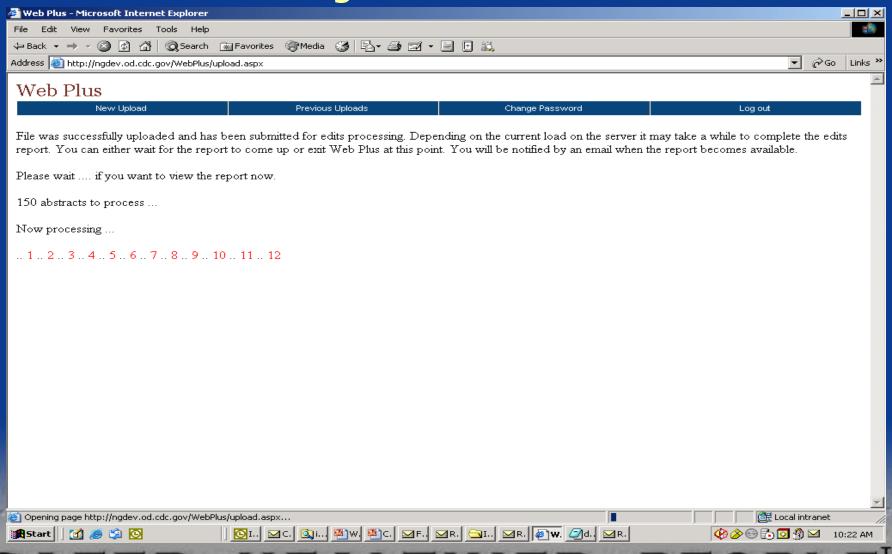
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File Upload Screens

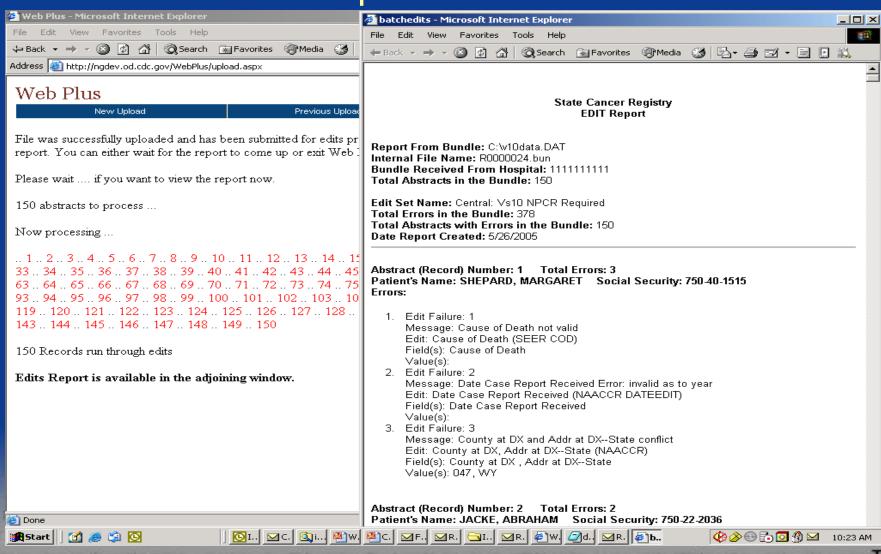
Upload Abstract Bundle



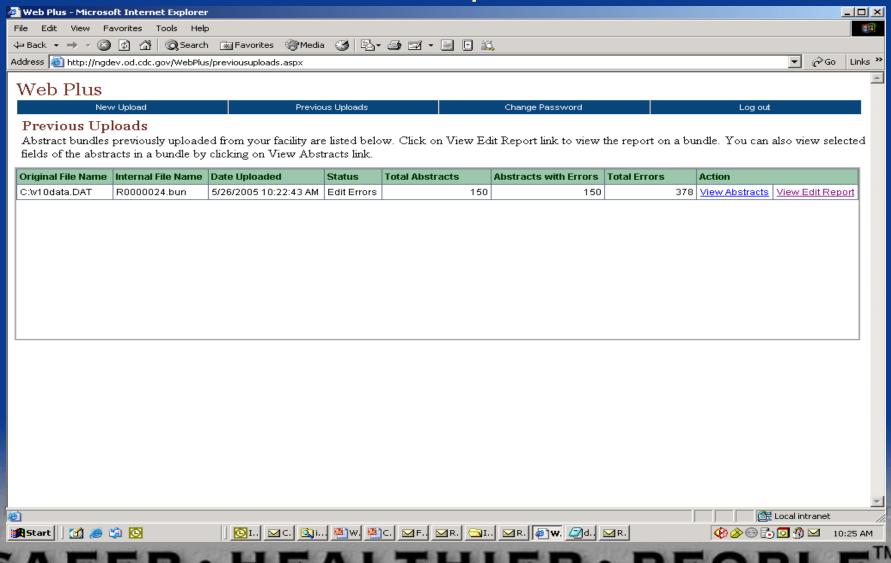
Edits Processing on Abstracts Bundle



Edit Report on Bundle



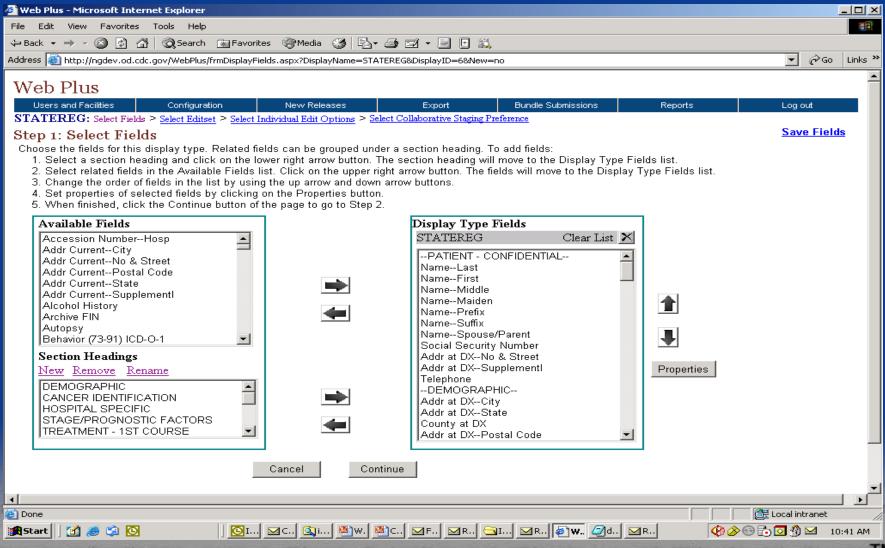
Previous Uploads



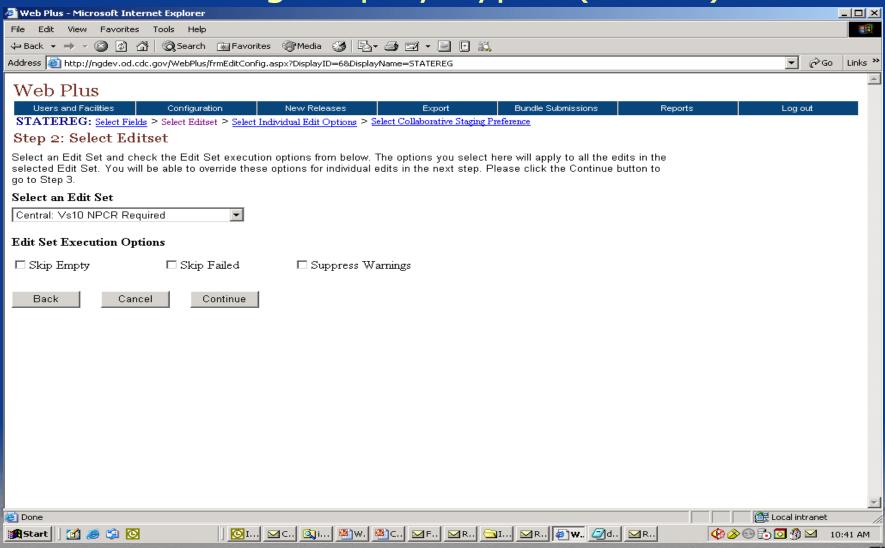
Web Plus

Administrative Screens

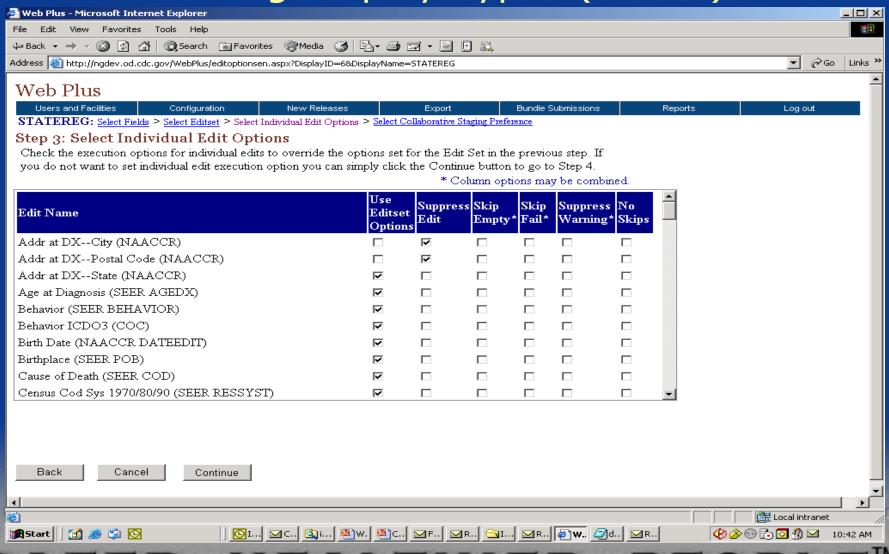
Creating Display Types



Creating Display Types (contd.)



Creating Display Types (contd.)



Creating Display Types (contd.)

